

**KNOWLEDGE-BASED STRATEGIES APPLIED TO N-BEST LISTS IN
AUTOMATIC SPEECH RECOGNITION SYSTEMS****ABSTRACT OF THE DISCLOSURE**

5 A highly accurate technique for recognizing spoken
digit strings is described. A spoken digit string is
received and analyzed by a speech recognizer, which
generates a list of hypothesized digit strings arranged in
ranked order based on a likelihood of matching the spoken
10 digit string. The individual hypothesized strings are then
analyzed in order beginning with the hypothesized string
having the greatest likelihood of matching the spoken
string to determine whether they satisfy a given
constraint. The first hypothesized string in the list
15 satisfying the constraint is selected as the recognized
string.

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